

What is claimed is:

1. A method for configuring a data storage system, the method comprising the steps of:
presenting a user interface;

5 receiving information related to workload characteristics and performance characteristics
through the user interface; and
presenting storage configuration information for the data storage system that is based on
these characteristics through the user interface.

10 2. The method of claim 1, wherein the storage configuration information includes
information related to an amount storage space associated with a quantity of disk drives
for the data storage system.

15 3. The method of claim 1, wherein the workload characteristics include IO operations
per unit of time.

4. The method of claim 1, wherein the performance characteristics include read and
write characteristics associated with data to be stored on the data storage system.

20 5. The method of claim 4, wherein the read and write characteristics include random
read hits information.

6. The method of claim 5, wherein the read and write characteristics include random read misses information.

7. The method of claim 5, wherein the read and write characteristics include sequential reads information.

8. The method of claim 5, wherein the read and write characteristics include writes information.

9. The method of claim 2, wherein the information about storage space available on each disk is based at least in part on information about physical partitions on each disk.

10. The method of claim 1, wherein the information about performance characteristics is based at least in part on a user provided performance comfort zone value.

11. The method of claim 10, wherein the information about performance characteristics is based at least in part on information about a data protection scheme used with the data storage system.

12. The method of claim 11, wherein the data protection scheme is a Raid scheme.

13. A system for configuring a data storage system, the system comprising:

a computer having a memory and a display;

logic in memory, wherein the logic is configured for execution of the following steps:

presenting a user interface;

receiving information related to workload characteristics and performance

characteristics through the user interface; and

presenting storage configuration information for the data storage system that is

based on these characteristics through the user interface.

14. The system of claim 13, wherein the storage configuration information includes
information related to an amount storage space associated with a quantity of disk drives
for the data storage system.

15. The system of claim 13, wherein the workload characteristics include IO operations
per unit of time.

16. The system of claim 13, wherein the performance characteristics include read and
write characteristics associated with data to be stored on the data storage system.

17. The system of claim 16, wherein the read and write characteristics include random
read hits information.

18. The system of claim 17, wherein the read and write characteristics include random read misses information.

19. The system of claim 17, wherein the read and write characteristics include sequential reads information.

20. The system of claim 17, wherein the read and write characteristics include writes information.

21. The system of claim 14, wherein the information about storage space available on each disk is based at least in part on information about physical partitions on each disk.

22. The system of claim 13, wherein the information about performance characteristics is based at least in part on a user provided performance comfort zone value.

23. The system of claim 22, wherein the information about performance characteristics is based at least in part on information about a data protection scheme used with the data storage system.

24. The system of claim 23, wherein the data protection scheme is a Raid scheme.

25. A program product for configuring a data storage system, the program product including a computer readable medium with logic configured for causing the following computer-executed steps to occur:

presenting a user interface;

5 receiving information related to workload characteristics and performance characteristics through the user interface; and

presenting storage configuration information for the data storage system that is based on these characteristics through the user interface.

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